

201.1 - pH Calibration (powder form)

These SRMs are used to prepare solutions of known hydrogen ion activity to calibrate commercial pH instruments. SRMs 186g and 191c are each certified for use as an admixture only. SRM 186g (186-I-g and 186-II-g) may be used to prepare solutions with a pH of 6. 8640 at 25°C, or physiological buffer solutions with a pH of 7.4157 at 25°C.

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PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

SRM	185h	186g	187e	188	189c	191d	2193a
Description	Potassium Hydrogen Phthalate, pH Standard	pH Standards, (set of 186-I-g + 186-II-g)	Sodium Tetraborate (Borax), pH	Potassium Hydrogen Tartrate, pH	Potassium Tetroxalate Dihydrate pH Standard	pH Standard	Calcium Carbonate pH Standard
Unit Size	(60 G)	(set)	(30 g)	(60 g)	(65 g)	(1 bottle x25g;1bottlex30g)	(30 g)
pH(S) Values at 25 °C)	4.008	(see text above)	9.186	3.557	1.677	10.014	12.469